

WHAT IS CLAIMED IS:

1. A high-efficiency circuit-equipped light emitting board, comprising
a main body including an inner frame having a holding recess, and an
5 outer frame having an opening; the outer frame being joined to the
inner frame with the opening facing the holding recess; the main body
having an display board, which allows light to travel through, and has
signs adhered thereto; the indicating board having a light-passable
plate disposed on a front thereof; the indicating board being disposed
10 between the frames with an edge of the opening preventing it from
falling out of the outer frame; the indicating board having reflective
surfaces on both upper and lower edges thereof; the display board
having holes formed on the upper edge thereof and facing
correspondingly ones of gaps of the inner frame; and
15 a driving circuit; the driving circuit having two power input terminals
respectively connected to a first end of a first resistor and a first end of
a second resistor; other ends of the resistors being electrically
connected to a first terminal of a semi-conductor switch; second and
third terminals of the semi-conductor switch being respectively
20 connected to a first one of the power input terminals of the driving
circuit, and connected to both a resistor and a light-emitting device,
which is connected to a second one of the power input terminals of the
driving circuit at other end thereof; thus, light-emitting device can

emit light, which then travels through the gaps of the inner frame and the holes of the indicating board, and finally travels outside through both the indicating board and the light-passable plate for making the signs of the board visible.

- 5 2. The high-efficiency circuit-equipped light emitting board as claimed in claim 1, wherein the outer frame has a hole while one of the first and the second resistors is a photosensitive resistor, and is located at such position that light outside the main body can travel thereto through the hole of the outer frame to be sensed with it. Hence, the
10 light emitting device driven in the darkness and disconnected in the brightness automatically presents the best efficacy of saving electricity.
3. The high-efficiency circuit-equipped light emitting board as claimed in claim 1, wherein the display board is an Electro Luminate (E.L.)
15 light emitting flat panel, which has terminals on an upper and a lower edges thereof, and upper and lower portions of the inner frame have electricity conducting bars disposed along them to be electrically connected to yet another terminal of the semi-conductor switch, and the second power input terminal of the driving circuit respectively; the
20 terminals of the E.L. light emitting flat panel being in electrical contact with corresponding ones of the electricity conducting bars; a driving element being connected to the E.L. light emitting flat panel for starting the same.

4. The high-efficiency circuit-equipped light emitting board as claimed
in claim 1, wherein the semi-conductor switch of the driving circuit is
a transistor.

5. The high-efficiency circuit-equipped light emitting board as claimed
5 in claim 3, wherein the semi-conductor switch of the driving circuit is
a transistor.

10

15

20